LEGACY
PARKWAY & PRESERVE

MEMORANDUM

TO UDOT

FROM Bethany Shingleton

DATE May 27, 2005

SUBJECT Addendum to the Legacy Parkway Right-of-Way Issues Technical Memorandum

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This memorandum is intended to serve as an addendum to the Legacy Parkway Right-of-Way Issues Technical Memorandum dated December 2004. Since publication of the Technical Memorandum, a few items have changed. A description of these changes follows.

1. Section 1.3, first paragraph on page 6, discusses the wetland impacts the design-builder could avoid within the right-of-way. In the Draft Supplemental Environmental Impact Statement (EIS), the design-builder identified 14 acres of wetlands within the right-of-way that could be saved from impacts (fill). However, the updated design analysis for Alternative E as part of the Supplemental EIS shows that this savings would be 10 acres.

   The change from 14 acres to 10 acres occurs within the portion of the right-of-way between Parrish Lane and Glover's Lane along the east side of the alignment. This portion of the right-of-way is referred to as the power corridor because it encompasses the Utah Power transmission lines adjacent to I-15. The Utah Department of Transportation (UDOT) purchased the right-of-way that encompasses the power corridor, and the corridor was included in the project right-of-way in the Final EIS and the Supplemental Draft EIS. However, based on the design-builder's plans, the wetlands in the power corridor will not be impacted. Therefore, the wetland impacts identified to be avoided were reduced to 10 acres, which results in an impact of 103 acres associated with Alternative E (113 – 10 = 103).

   In the Draft Supplemental EIS, this savings of 14 acres was also assumed for Alternative A. However, the updated design analysis for Alternative A shows that this savings would be 8 acres.

This reduction in savings results in the following changes to the Technical Memorandum:

2. Section 3.2.1, fourth paragraph: change the wetlands to be avoided in the right-of-way in the southern interchange from 14 acres to 10 acres.

3. Section 3.2.2, 80 m (264 ft) Design Flexibility Cross-Section: change the potential wetland impacts from 97 acres to 101 acres.

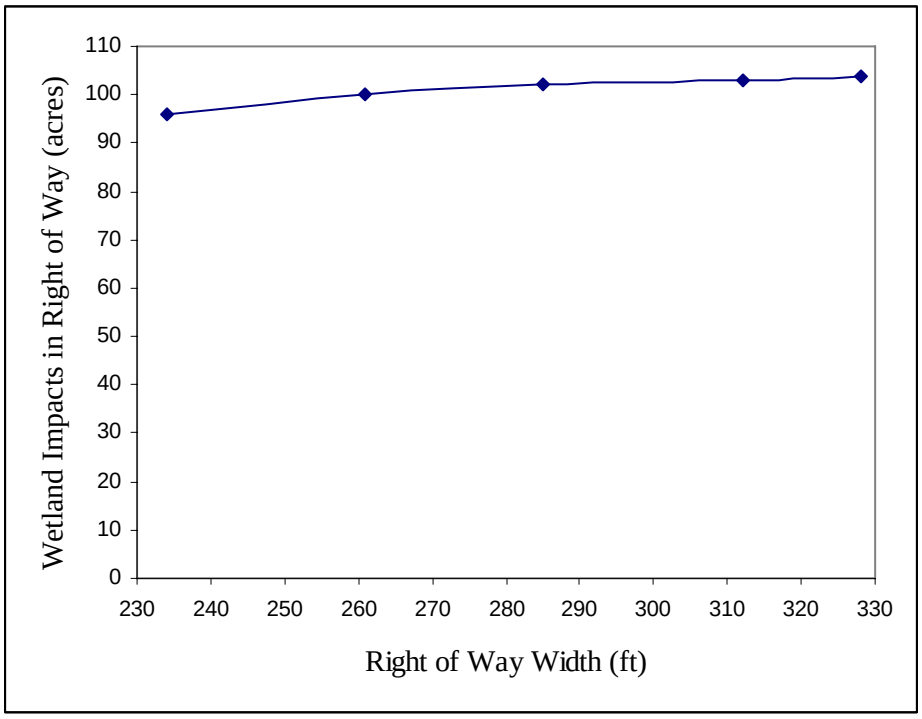
4. Section 3.2.3, Alternative ROW Widths, 89 m (292 ft) ROW width: change the impact from 98 acres to 102 acres.

5. Section 3.2.3, Alternative ROW Widths, 87 m (285 ft) ROW width: change the impact from 98acres to 102 acres.

6. Section 3.2.3, Alternative ROW Widths, 80 m (261 ft) ROW width: change the impact from 96 acres to 100 acres.

7. Section 3.2.3, Alternative ROW Widths, 71 m (234 ft) ROW width: change the impact from 92 acres to 96 acres.

8. Figure 3-19: replace with an updated figure that reflects the 10-acre savings.



9. Section 3.2.3, Summary, second bullet: change the acreage of wetland impacts avoided to 10 acres of savings.

10. Section 3.2.3, Summary, fourth bullet: change Alternative E impact to 103 acres of wetlands.

11. Section 3.3.1, Future Travel Lanes, page 41: the last sentence stated, "The sequencing analysis performed for the Supplemental EIS concluded that a six-lane facility would not help reduce congestion between now and 2020." Replace this sentence with "A six-lane facility was eliminated because the additional capacity is not warranted to meet the project purpose and need."

12. Table 3-3: replace with an updated table that reflects the 10-acre savings.

ROW Option	ROW Width, m (ft)	ROW Area (acres)[a]	Wetlands within ROW (acres)[b]	Maximum Wetland Impacts (acres)[c]
Final EIS Preferred Alternative	100 m (328 ft)	925	114	104
Alternative E	95 m (312 ft)	900	113	103
Reduce median to 9 m (30 ft)	89 m (292 ft)	881	112	102
Reduce median to 8 m (26 ft)	87 m (285 ft)	880	112	102
Reduce median to 8 m (26 ft) and buffer area to 3 m (10 ft)	80 m (261 ft)	855	110	100
Reduce median to 8 m (26 ft) and eliminate trail and buffer area	71 m (234 ft)	825	106	96

[a] The ROW area includes interchanges.

[b] This column shows the total area of wetlands within the ROW.

[c] As discussed in Section 1.3, Background and Explanation of the Final EIS Preferred Alternative and Alternative E ROW Width, Footprint, and Related Wetland Impacts, 10 acres of wetland impacts identified by the design-builder will be avoided, and actual impacts would be less than the total area of wetlands due to design flexibility.

13. Table 3-6: replace with an updated table that reflects the 10-acre savings.

Evaluation Factors	Grassed Median, 95 m (312 ft) ROW	Detention Basins, 87 m (285 ft) ROW	Retention Basins, 87 m (285 ft) ROW
Total land required	900 acres (ROW)	880 acres (ROW) + 18.1 additional acres (detention) = 898.1 acres	880 acres (ROW) + more than 18.1 acres (retention) = more than 898.1 acres
Average treatment efficiency	80%	80%	100%
Wetland impacts	103 acres with no additional impacts.	102 acres with 2 potential additional acres of impact to construct detention basins. Additional indirect impacts to convey stormwater discharge through wetland areas. (Total wetland impacts = 104 acres.)	102 acres with at least 2 potential additional acres of impact to construct retention basins. (Total wetland impacts = more than 104 acres.)
Hydraulic system	Sheet flow	Concentrated discharges	No discharge

14. Table 3-7: replace with an updated table that reflects the 10-acre savings.

Evaluation Element	95 m (312 ft) ROW with Open Median	87 m (285 ft) ROW with Median Barrier	80 m (261 ft) ROW with Median Barrier and Reduced Buffer
Wetland impacts	103 acres	102 acres (96 acres, with 2 potential additional acres of impact to construct detention basins).	100 acres (with at least 2 potential additional acres of impact to construct retention basins).
Safety	Alternative E serves as baseline for comparing other ROW options.	Potential increase in vehicle accident rate over 95 m (312 ft) ROW.	Potential increase in vehicle accident rate over 95 m (312 ft) ROW. Potential increase in accident rate between vehicles and trail users.
Water quality impacts	Water quality treatment within proposed ROW (900 total ROW acres).	18.1 acres (detention) (898.1 total ROW acres) or more required for stormwater treatment, depending on treatment method.	18.1 acres (retention) (855 acres + 18.1 acres = 873.1 total ROW acres) or more required for stormwater treatment, depending on treatment method.

The above changes supercede the information in the Technical Memorandum. The remaining information in the Technical Memorandum is correct.

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Project File